

37. A NEW VARIETY OF *SELINUM VAGINATUM* (EDGW.)
CL. (APIACEAE) FROM N. W. HIMALAYA

Selinum vaginatum (Edgw.) Cl. var. *garhwalensis* Babu et Chandra,
var. nov.

S. vaginatum (Edgw.) Cl. var. *vaginatum* omnino simile, sed a varietate *vaginatum* cum characteribus foliis 2-3 pinnatis, foliorum ultimis segmentis anguste lanceolatis grosse inciso-serratis vel pinnatifidis, var. *garhwalensis* Babu et Chandra differt foliis 1-2 pinnatis, foliorum ultimis segmentis vel foliolis late ovato-lanceolatis acute serratis raro lobulatis.

Erect, perennial herbs, up to 30 cm. tall or more. Rootstock stout, fusiform, clothed with fibrous remains of leaf-sheaths. Stems simple, solitary, terete, striate, fistular, glabrous. Radical leaves none, cauline ones few, reduced to sheaths upwards, imperfectly 1-2-pinnate 6-30 cm. long (incl. petiole); ultimate leaflets or segments sessile, ovate-lanceolate, with a somewhat oblique, rounded base, sharply acute at apex, sharply serrate, nearly glabrous except puberulous nerves, reticulations prominent, 2-3 × 0.7-1.2 (—1.5) cm.; petiole 0.5-0.8 cm. long; sheaths broad, with ciliolate scarious margins, 2.5-6 cm. long. Inflorescences terminal and axillary, puberulous compound umbels; peduncle stout, terete, striate, puberulous, 3.7 cm. long; involucre 3-5, linear-narrowly oblong, white-margined, ciliate, puberulous, pinnatifid, 0.6-1 cm. long; rays about 20, subequal, striate, puberulous, 2-3 cm. long; involucels 5-6 (—10), oblong, pinnatifid, white-margined, ciliate, puberulous, 1-1.5 cm. long, much exceeding the umbellules; pedicels 15-30, slender, puberulous 0.3-0.5 cm. long; calyx-lobes 5, linear-lanceolate, sharply acuminate, 1-nerved, glabrous, 0.15-0.2 cm. long; petals 5, white, obovate, emarginate through inflexed acuminate tip, 0.15-0.18 cm. long; stamens 5, inflexed in bud, filaments linear, glabrous, 0.2-0.22 cm. long, anthers oblong, 0.08 (—0.1) cm. long; ovary compressed, obovoid-oblong, with 3 prominent winged, primary ridges, lateral ridges broadly winged, glabrous, 0.18-0.2 cm. long, styloidium globose, 0.05 × 0.1 cm., styles 2, linear, recurved, 0.1 cm. long, stigma simple. Fruits not seen.

INDIA: UTTAR PRADESH: Garhwal, Ramara, alt. 3000 m.,
29 Sept. 1958, Rau 8728 (CAL-holotype; BSI-isotype).

Flowers: September.

Distribution: Known only from the type locality.

Similar to *S. vaginatum* (Edgw.) Cl. var. *vaginatum* in all respects

except that var. *garhwalensis* Babu et Chandra is characterised by 1-2-pinnate leaves with broadly ovato-lanceolate, sharply serrate to rarely lobulate ultimate leaf segments or leaflets in contrast to 2-3 pinnate leaves with narrowly lanceolate, coarsely incised-serrate or pinnatifid ultimate leaf-segments of the former.

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38. A NOTE ON THE OCCURRENCE OF *PHALLUS HADRIANII* VENT. EX PERS. IN INDIA

(With a photo)

During a survey of mushrooms in the Kashmir valley one interesting Phalloid was collected from Srinagar. The specimen was sent to Dr. D. M. Dring of Royal Botanic Garden, Kew, England, who determined it as *Phallus hadrianii* Vent. ex Pers. Tiwari & Khare (1968)¹ while reporting on two interesting Phalloids from Uttar Pradesh, India, have suggested the study of a large number of collections to establish the range of variation in the species, in this relatively little studied group in India. The description of the specimen which is also a new distribution record for the species in India is being given in this note.

Phallus hadrianii Vent. ex Pers. Syn. Method. Fung.; 246, 1801.

Expanded fructification (Fig. 4) consisting of a gelatinous volva, an elongated stipe and a pileus, 6-10 cm. high; *Pileus* conical and attached round the raised perforated white ring (0.5-1 cm. wide) which terminates the stem; bears the blackish fetid gleba, the exposed surface deeply reticulated with large chambers (3-6 mm. in diam.), white, 2-4 cm. long, covering a thin veil; stipe hollow, white, cylindrical, 4-8 cm. tall, 1.5 to 2.5 cm. in diameter at the swollen portion, tapering above and below, spongy, honeycombed (meshes 0.5-1 mm. in diam.); *volva* cup-shaped, thick, wrinkled, and enclosing a thick basal veil; *spores*, smooth, greenish yellow, elliptical, $1.2-1.8 \times 3.3-4\mu$.

¹ TIWARI, V. P. & KHARE, K. B. (1968): Two interesting Phalloids from Uttar Pradesh. *Ind. Phytopath.* 21 (4): 374-378.